

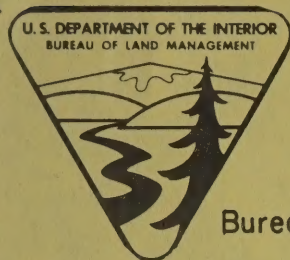
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ID: 88078145

T/N 229

Filing Code 9185.2 (P-410)

Date Issued August 1970



TECHNICAL NOTE

Bureau of Land Management U.S. DEPARTMENT OF THE INTERIOR

HELIFLEX ANTENNAS

The Branch of Cadastral Experimental Systems has converted from using collapsible antennas to Heliflex antennas for use on their Motorola HT-200 and HT-100 radios.

When using the Motorola radios in the field, the standard collapsible antenna is easily damaged. When the radio is carried over the shoulder by the shoulder strap, the collapsible antenna hangs up on brush and often becomes bent. Once the antenna is bent, it should be replaced. The replacement antenna's net price is \$8.00.

The Heliflex antenna is about 5 inches long and 3/8 inch in diameter. It is constructed of rubber covered wire on a flexible rubber core. One end has a threaded metal connector which screws into the antenna receptacle on a HT-200 or HT-100 Motorola radio. The metal connector is coded on its base with a letter to indicate its frequency band. See antennas on page 81 of the 1970 Motorola Buyer's Guide.

The Heliflex antennas when used in the field have no appreciable loss of power in relation to the collapsible antennas. Motorola quotes the loss as less than 3 db. The Heliflex antennas are almost indestructible and their net price is \$5.00 each.

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